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Docket No. 236664US2RE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Nobuo ISHII, et al

SERIAL NUMBER: 10/625,669

FILING DATE: July 24, 2003

FOR: PLASMA PROCESSING APPARATUS

MAY 21 2004

ATTN: APPLICATION BRANCH

**FILING OF DECLARATION UNDER 37 CFR 1.53(f)**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Responsive to the notification dated March 22, 2004, and in accordance with the provisions of 37 CFR 1.175, Applicants submit herewith a Reissue Declaration. The required fee is attached herewith.

The Declaration enclosed herewith contains the following information:

Name(s) of Inventor(s)

Title of Invention

Attorney Docket Number

Filing Date

thereby adequately identifying the above-identified application in accordance with 37 CFR 1.175, as set forth in MPEP Section 1414.

In light of the foregoing, this application is deemed to be in proper condition for examination and such favorable action is earnestly solicited.

Respectfully Submitted,

OBOLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

  
Gregory J. Maier

Registration No. 25,599

Michael E. Monaco  
Registration No. 52,041

Customer Number

22850

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

I:\ATTY\MM\KONGKHAM\236664.SUBMISSION OF REISSUE DECL..DOC



Reissue Application Declaration by the Inventor (Continued)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected herewith:



22850

Correspondence Address:  
OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.  
1940 Duke Street  
Alexandria, Virginia 22314.

Telephone: (703) 413-3000

Facsimile: (703) 413-2220

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full Name of sole or first inventor (given name, family name)

Nobuo Ishii

Signature

Date

August 25, 2003

Residence

Nakakoma-gun, Japan

Citizenship

Japan

Post Office Address c/o Intellectual Property Dept., TOKYO ELECTRON LIMITED, 3-6 Akasaka 5-chome,  
Minato-ku, Tokyo 107-8481, Japan

Full Name of second joint inventor (given name, family name)

Jiro Hata

Signature

Date

August 25, 2003

Residence

Nakakoma-gun, Japan

Citizenship

Japan

Post Office Address c/o Intellectual Property Dept., TOKYO ELECTRON LIMITED, 3-6 Akasaka 5-chome,  
Minato-ku, Tokyo 107-8481, Japan

Full Name of third joint inventor (given name, family name)

Signature

Date

Residence

Citizenship

Post Office Address

Additional joint inventors are named on separately numbered sheets attached hereto.

(OSMMN 03/02)

I:\ATTY\MM\AMENDMENT\236664US.RE\236664.DECLARATION BY THE INVENTOR.DOC



PTO/SB/63 (05-02)  
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## REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT

Docket Number (Optional)  
236664US2RE

This is part of the application for a reissue patent based on the original patent identified below.

### Name of Patentee(s)

Nobuo Ishii and Jiro Hata

Patent Number  
6,265,031 B1

Date Patent Issued  
July 24, 2001

### Title of Invention

Method for Plasma Processing by Shaping an Induced Electric Field

- 1. Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)
- 2. Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.

The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.

The assignee(s) owning an undivided interest in said original patent is/are Tokyo Electron Limited, Tokyo, and the assignee(s) consents to the accompanying application for reissue.

### Name of assignee/inventor (if not assigned)

TOKYO ELECTRON LIMITED

### Signature

### Date

May 10, 2004

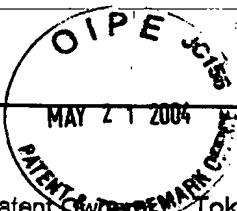
### Typed or printed name and title of person signing for assignee (if assigned)

Hiroshi Ishida

Director, Intellectual Property Dept.

1:VITYMMAMENDMENT236664US.REV236664.CONSENT OF ASSIGNEE.DOC

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



MAY 21 2004

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner/Assignee: **Tokyo Electron Limited**

Application No./Patent No.: **6,265,031**

Filed/Issue Date: **July 24, 2001**

Entitled: **METHOD FOR PLASMA PROCESSING BY SHAPING AN INDUCED ELECTRIC FILED**  
**TOKYO ELECTRON LIMITED**, a **CORPORATION**

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, government agency, etc.)

States that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title and interest.

The extent (by, percentage) of its ownership interest is **%**

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel **6939**, Frame **0878**, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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The document was recorded in the United States Patent and Trademark Office at  
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The document was recorded in the United States Patent and Trademark Office at  
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Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 10, 2004

Date

Hiroshi Ishida

Typed or printed name

Signature

Director,  
Intellectual Property Dept.

Title

2316-0118-4DIN  
2312-282-2FWC



DATE: 05/02/94  
TO:

N05B

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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Washington, D.C. 20231

MARVIN J. SPIVAK  
OBLON, SPIVAK, MCCLELLAND, MAIER  
& NEUSTADT, P.C., ATTORNEYS AT LAW  
1755 JEFFERSON DAVIS HIGHWAY, 4TH FLOOR  
ARLINGTON, VIRGINIA 22202

2312-282-2

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ASSIGNOR: ISHII, NOBUO DOC DATE: 01/06/94

ASSIGNOR: HATA, JIRO DOC DATE: 01/06/94

RECORDATION DATE: 01/12/94 NUMBER OF PAGES 003 REEL/FRAME 6939/0878

IGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:  
TOKYO ELECTRON LIMITED  
2-3-1, NISHI-SHINJUKU, SHINJUKU-KU  
TOKYO, JAPAN

ERIAL NUMBER 8-180281 FILING DATE 01/12/94  
ATENT NUMBER ISSUE DATE 00/00/00

EXAMINER/PARALEGAL  
ASSIGNMENT BRANCH  
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

*Agnes Leon*

RECORDED  
MAY 25 1994

OBLON, SPIVAK, MCCLELLAND  
MAIER & NEUSTADT, P.C.

MAILED 1-31-92  
1-31-92  
JAN  
37 Deposit No: 2312-282-2

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Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

of conveying party(ies):  
ISHII, Nobuo and HATA, Jiro

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: January 6, 1994



2. Name and address of receiving party(ies):

Name:  
Tokyo Electron Limited

Address:  
2-3-1, Nishi-Shinjuku, Shinjuku-ku, Tokyo, Japan

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 6, 1994

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

OBLOON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.  
Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): ..... \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 15-0030

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Marvin J. Spivak

Name of Person Signing  
Registration No. 24,913

Signature

Total number of pages including cover sheet: 3

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REEL 939 FRAME 818

SOLE/JOINT  
(SP 7HT-93S0894 )

## A S S I G N M E N T

In consideration of value received, I, having a post office address at c/o OPERATIONAL HEAD OFFICE, TOKYO ELECTRON LIMITED, Fuchu NH Bldg. 2-30-7 Sumiyoshi-cho, Fuchu Tokyo 183, Japan and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

## PLASMA PROCESSING APPARATUS

said application having been filed on  
No. ;  
sell and assign to  
TOKYO ELECTRON LIMITED  
a corporation of Japan, having a business address at

and assigned Serial

2-3-1, Nishi-Shinjuku, Shinjuku-ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent

(check one)

executed concurrently herewith;  
 executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

REF ID: A939 FRAME 79

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202

## ASSIGNMENT

- 2 -

Inventor: (Signature)DateResidenceA Nobuo IshiiJAN. - 6. 1994Nakakoma-gun, Yamanashi-ken, Japan

Nobuo ISHII

B Jiro HATAJAN. - 6. 1994Nakakoma-gun, Yamanashi-ken, Japan

Jiro HATA

CDEFGH

REEL 939 FRAME 880

Witness for Inventor A:

Witness for Inventor B:

Witness for Inventor C:

Witness for Inventor D:

Witness for Inventor E:

Witness for Inventor F:

Witness for Inventor G:

Witness for Inventor H:

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